RAW SEQUENCE LISTING   DATE: 07/23/2002
PATENT APPLICATION: US/10/073,301A   TIME: 16:01:26

Input Set : A:\PTO.VSK.txt
Output Set: N:\CRF3\07232002\J073301A.raw   **ENTERED**

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   3 <110> APPLICANT: Reiter , Yoram
   4         Denkberg, Galit
   6 <120> TITLE OF INVENTION: ANTIBODY HAVING A T-CELL RECEPTOR-LIKE SPECIFICITY, YET
HIGHER AFFINITY,
   7         AND THE USE OF SAME IN THE DETECTION AND TREATMENT OF CANCER, VIRAL INFECTION
   8         AND AUTOIMMUNE DISEASE
  10 <130> FILE REFERENCE: 01/23094
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/073,301A
C--> 12 <141> CURRENT FILING DATE: 2002-07-02
  12 <160> NUMBER OF SEQ ID NOS: 11
  14 <170> SOFTWARE: PatentIn version 3.1
  16 <210> SEQ ID NO: 1
  17 <211> LENGTH: 9
  18 <212> TYPE: PRT
  19 <213> ORGANISM: Artificial sequence
  21 <220> FEATURE:
  22 <223> OTHER INFORMATION: HLA-A2-restricted peptide, gp100 (154)
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  27 1               5
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  32 <212> TYPE: PRT
  33 <213> ORGANISM: Artificial sequence
  35 <220> FEATURE:
  36 <223> OTHER INFORMATION: HLA-A2-restricted peptide, gp100 (209)
  38 <400> SEQUENCE: 2
  40 Ile Met Asp Gln Val Pro Phe Ser Val
  41 1               5
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  46 <212> TYPE: PRT
  47 <213> ORGANISM: Artificial sequence
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  50 <223> OTHER INFORMATION: HLA-A2-restricted peptide, gp100 (280)
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  55 1               5
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  60 <212> TYPE: PRT
  61 <213> ORGANISM: Artificial sequence
  63 <220> FEATURE:
  64 <223> OTHER INFORMATION: HLA-A2-restricted peptide, MUC1
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 68 Leu Leu Leu Thr Val Leu Thr Val Leu
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 74 <212> TYPE: PRT
 75 <213> ORGANISM: Artificial sequence
 77 <220> FEATURE:
 78 <223> OTHER INFORMATION: HLA-A2-restricted peptide, HTLV-1 (TAX)
 80 <400> SEQUENCE: 5
 82 Leu Leu Phe Gly Tyr Pro Val Tyr Val
 83 1               5
 86 <210> SEQ ID NO: 6
 87 <211> LENGTH: 9
 88 <212> TYPE: PRT
 89 <213> ORGANISM: Artificial sequence
 91 <220> FEATURE:
 92 <223> OTHER INFORMATION: HLA-A2-restricted peptide, hTEroom temperature (540)
 94 <400> SEQUENCE: 6
 96 Ile Leu Ala Lys Phe Leu His Trp Leu
 97 1               5
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102 <212> TYPE: PRT
103 <213> ORGANISM: Artificial sequence
105 <220> FEATURE:
106 <223> OTHER INFORMATION: HLA-A2-restricted peptide, hTEroom temperature (865)
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110 Arg Leu Val Asp Asp Phe Leu Leu Val
111 1               5
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115 <211> LENGTH: 711
116 <212> TYPE: DNA
117 <213> ORGANISM: Artificial sequence
119 <220> FEATURE:
120 <223> OTHER INFORMATION: G1 Single chain Fv-recombinant antibody DNA sequence
122 <400> SEQUENCE: 8
123 caggtgaaac tgcaggagtc tgggggaggc ttagtgaagc ctggagggtc cctgaaactc      60
125 tcctgtgcag cctctggatt cactttcagt agctatggca tgtcttgggt tcgccagact     120
127 ccagacaaga ggctggagtg ggtcgcaacc attagtagtg gtggtagtta cacctactat     180
129 ccagacagtg tgaaggggcg attcaccatc tccagagaca tgccaagaa caccctgtac      240
131 ctgcaaatga gcagtctgaa gtctgaggac acagccatgt attactgtgc aagaggtaac     300
133 tgggaaggat ggtacttcga tgtctggggc caagggacca cggtcaccgt ctcctcaggt     360
135 ggaggcggtt caggcggagg tggctctggc ggtggcggat cgaacatcga gctcactcag     420
137 tctccagcaa tcatgtctgc atctccaggg gagagggtca ccatgacctg cagtgccagc     480
139 tcaagtatac gttacatata ttggtaccaa cagaagcctg gatcctcccc cagactcctg     540
141 atttatgaca catccaacgt ggctcctgga gtccctttc gcttcagtgg cagtgggtct      600
143 gggacctctt attctctcac aatcaaccga atggaggctg aggatgctgc cacttattac     660
145 tgccaggagt ggagtggtta tccgtacacg ttcggagggg ggacaaagtt g              711
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149 <211> LENGTH: 237
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153 <220> FEATURE:
154 <223> OTHER INFORMATION: G1 single chain Fv- recombinant antibody protein sequence
156 <400> SEQUENCE: 9
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162 Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
163             20                  25                  30
166 Gly Met Ser Trp Val Arg Gln Thr Pro Asp Lys Arg Leu Glu Trp Val
167             35                  40                  45
170 Ala Thr Ile Ser Ser Gly Gly Ser Tyr Thr Tyr Tyr Pro Asp Ser Val
171     50                  55                  60
174 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Thr Leu Tyr
175 65                  70                  75                  80
178 Leu Gln Met Ser Ser Leu Lys Ser Glu Asp Thr Ala Met Tyr Tyr Cys
179             85                  90                  95
182 Ala Arg Gly Asn Trp Glu Gly Trp Tyr Phe Asp Val Trp Gly Gln Gly
183             100                 105                 110
186 Thr Thr Val Thr Val Ser Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
187             115                 120                 125
190 Ser Gly Gly Gly Gly Ser Asn Ile Glu Leu Thr Gln Ser Pro Ala Ile
191     130                 135                 140
194 Met Ser Ala Ser Pro Gly Glu Arg Val Thr Met Thr Cys Ser Ala Ser
195 145                 150                 155                 160
198 Ser Ser Ile Arg Tyr Ile Tyr Trp Tyr Gln Gln Lys Pro Gly Ser Ser
199             165                 170                 175
202 Pro Arg Leu Leu Ile Tyr Asp Thr Ser Asn Val Ala Pro Gly Val Pro
203             180                 185                 190
206 Phe Arg Phe Ser Gly Ser Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile
207             195                 200                 205
210 Asn Arg Met Glu Ala Glu Asp Ala Ala Thr Tyr Tyr Cys Gln Glu Trp
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214 Ser Gly Tyr Pro Tyr Thr Phe Gly Gly Gly Thr Lys Leu
215 225                 230                 235
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223 <220> FEATURE:
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229 1               5
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233 <211> LENGTH: 9
234 <212> TYPE: PRT
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Output Set: **N:\CRF3\07232002\J073301A.raw**

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235 <213> ORGANISM: Artificial sequence
237 <220> FEATURE:
238 <223> OTHER INFORMATION: Hepatitis B derived HLA-restricted peptide
240 <400> SEQUENCE: 11
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243 1               5
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VERIFICATION SUMMARY   DATE: 07/23/2002
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L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date